

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of restaurant customer management system ~~that manages customer data elements, the system comprising:~~

logging a customer unit into a restaurant pre-dining system with a mobile phone of the customer unit;

responsive to logging the customer unit into the restaurant pre-dining system, placing the customer unit on a waiting list for a table;

paging the mobile phone with a page that notifies the customer unit that the table is ready for the customer unit;

sending an interactive restaurant menu to the mobile phone;

a software program that receives receiving at least one customer request of at least one service [[from a]] of restaurant, the restaurant from the mobile phone;

having a customer managed uploading, by a post-dining system of the restaurant, a bill for the at least one service from a point of sale system of the restaurant to the mobile phone; and

performing a customer self-checkout whereby payment for the at least one service is submitted by the customer unit via the mobile phone to the point of sale system that processes at least one customer data element via a self-check-out and payment processing system; and

a terminal device, located remotely from the software program, the terminal device adapted to allow a customer to operate the post-dining system.

2. (Currently Amended) The restaurant customer management system method of Claim 1 wherein the customer unit is a single group of people.

3. (Cancelled) The restaurant customer management system of Claim 1 wherein the terminal device is a thin client.

4. (Currently Amended) The ~~restaurant customer management system~~method of Claim 1 wherein the ~~terminal device~~mobile phone is implemented in a wireless enabled handheld computer.

5. (Currently Amended) The ~~restaurant customer management system~~method of Claim 1 further comprising:

~~wherein the restaurant comprises a~~identifying, by the pre-dining system, that identifies the customer unit[[,]];

[[manages]]managing, by the pre-dining system, queue assignment that includes the waiting list[[,]];

~~pages the customer unit, updates~~updating, by the pre-dining system, a table management system[[,]]; and

[[stores]]storing, by the pre-dining system, at least one customer data element in a database.

6. (Currently Amended) The ~~restaurant customer management system~~method of Claim 1 wherein the restaurant comprises a dining system, and wherein the~~that provides an interactive restaurant menu is sent to the mobile phone via the dining system.~~

7. (Currently Amended) The ~~restaurant customer management system~~method of Claim 1 wherein the restaurant includes a self-check out and payment processing system that uploads the bill, the method further comprising ~~comprises a handheld terminal device having at least:~~

~~a payment means;~~

capturing, by the self-check out and payment processing system, a digital signature capturing means from the mobile phone; and

~~—— a graphical user interface.~~

8. (Currently Amended) The ~~restaurant customer management system~~method of Claim 1, further

comprising:

~~wherein the post dining system provides a~~ providing, by the post dining system, a post-dining survey[[,]];

[[collects]] collecting, by the post dining system, at least one customer data element from the customer unit via the mobile phone; ~~a terminal device~~; and

[[stores]] storing the customer data element in a database.

9. (Currently Amended) ~~The restaurant customer management system method~~ of Claim 1, further comprising wherein enabling, by the post-dining system, enables the customer unit to pre-purchase an entertainment unit prior to leaving the restaurant via the mobile phone ~~a customer-operated terminal device~~ and receive a hard copy confirming confirmation of the entertainment unit purchase. .

10. (Currently Amended) A restaurant customer management system that manages customer data elements, the system comprising:

a software program that receives at least one customer request of at least one service from a restaurant[[,]] from a mobile phone of a customer unit;

a restaurant pre-dining system that logs in the customer unit that issues the customer request and pages the mobile phone thereby notifying the customer unit that a table is ready for the customer unit;

a dining system that sends an interactive restaurant menu to the mobile phone;

~~the restaurant having a customer managed post-dining system that~~ uploads a bill for the at least one service from a point of sale system of the restaurant to the mobile phone processes at least one customer data element via a and performs a customer self-check out and payment processing whereby payment for the at least one service is submitted by the customer unit via the mobile phone to the point of sale system; and

~~a terminal device, located remotely from the software program, the terminal device adapted to allow a customer to operate the post dining system, whereby, the method comprising:~~

~~a bill review act;~~
~~a gratuity assignment act;~~
~~a digital signature act;~~
~~a payment processing act;~~
~~a digital receipt storage act; and~~
~~a customer receipt act.~~

11. (Currently Amended) The restaurant customer management system of Claim 10 further comprising a database, wherein the customer receipt act prints a copy of a digital receipt is stored in the database.

12. (Currently Amended) The restaurant customer management system of Claim 10 wherein the customer unit is provided~~gratuity assignment act enables a customer to automatically select a predefined gratuity percent from a graphical user interface~~ for selection of a gratuity on the mobile phone.

13. (Currently Amended) The restaurant customer management system of Claim 10 further comprising an electronic repository that stores~~wherein the~~ a customer data element ~~[[is]]~~ comprising an online payment service provider account number.

14. (Currently Amended) The restaurant customer management system of Claim 10 wherein the restaurant is a cafeteria establishment ~~having a customer managed cafeteria method,~~ the system further comprising:

~~a cafeteria selection act~~ a customer managed payment system implemented as a computer having a graphical user interface that allows the customer unit to identify cafeteria items selected and pay for the items; and
~~a cafeteria countertop.~~

15. (Currently Amended) The restaurant customer management system of Claim ~~[[10]]~~¹⁴ wherein the items are tagged with RFID tags, the system further comprising a terminal device that tallies the items by utilizing the RFID tags~~a cafeteria selection act occurs when a customer takes a food or beverage items from a cafeteria countertop.~~

16. (Cancelled) The restaurant customer management system of Claim 10 wherein the customer check out act is when a customer pays for food and beverage items selected via a payment means.

17. (Currently Amended) The restaurant customer management system of Claim 10 wherein ~~the payment means is an~~submission of payment is facilitated by an RFID card.

18. (Currently Amended) A method of splitting a customer bill on a terminal device comprising:

identifying a number of people at a table;

identifying a person associated with a restaurant menu item;

splitting at least one restaurant item between at least two people;

monitoring a bill balance;

splitting the bill balance into at least two bills each respectively associated with one of the people at the table; and

closing the at least two bills~~an individual bill balance for one of each of the associated people at the table~~the at least two people.

19. (Currently Amended) A method of splitting a customer bill on a terminal device of claim 18 wherein identifying a person associated with a restaurant menu item is accomplished by a customer manipulating a software system graphical user interface on a terminal device.

20. (Currently Amended) A method of splitting a customer bill on a terminal device of claim 18

wherein closing ~~an individual bill balance~~the at least two bills comprises:

~~a restaurant customer management system for processing a customer data element,~~
tracking, by a restaurant customer management system, a customer data element[[,]]
~~and storing, by the restaurant customer management system,~~ a customer data element;
running, by a terminal device having an operating system, ~~for running~~ a graphical user
interface software, digital signature capture software, and payment processing software; and
~~a printer for printing, by a printer,~~ a customer receipt.